

# GL 300.02

Cutaway model: mitre gear



#### Description

 demonstration of complex machine elements and demonstration of their principle of operation

Using cutaway models it is possible to clearly demonstrate the operational principles of complex machine elements such as a multi-disc clutch, various gear units or a pedestal bearing. The GL 300.01 to GL 300.12 cutaway models form a meaningful addition to the assembly kits, models and model kits for the engineering drawing discipline.

In order to be able to use the cutaway models in engineering teaching, each model comes with a standards-compliant and practical drawing and a technical description. Problems of engineering drawing, fasteners and machine parts or production and testing technology can be studied in a clear and practical manner using the cutaway models.

The cutaway models represent original components in which the active parts are clearly visible to the user while fully maintaining their mechanical functionality. Each of the cutaway models is securely mounted on a base plate, which also has handles to allow them to be carried. They are powered by hand.

## Learning objectives/experiments

 principle of operation and design of a mitre gear

## Specification

- hand-operated cutaway model for demonstrating the function of a mitre gear
- [2] industrial original component, fully functional cutaway model
- [3] solid metal base plate, handles

#### **Technical data**

- Transmission ratio
- drive
  - number of teeth: z=23
  - ► real pitch module: m=2,5mm
- output
  - number of teeth: z=23
  - ▶ real pitch module: m=2,5mm
- transmission ratio: i=1

#### Max. output torque

■ 50Nm at 1000min<sup>-1</sup>

#### LxWxH: 350x300x120mm Weight: approx. 3kg

## Scope of delivery

- 1 cutaway model
- 1 description
- 1 sectional view

G.U.N.T. Gerätebau GmbH, Hanskampring 15-17, D-22885 Barsbüttel, Telefon (040) 67 08 54-0, Fax (040) 67 08 54-42, Email sales@gunt.de, Web www.gunt.de We reserve the right to modify our products without any notifications. Page 1/2 - 05.2022



## **GL 300.02** Cutaway model: mitre gear

Optional accessories

051.12100 MT 121

Assembly exercise: mitre gear

G.U.N.T. Gerätebau GmbH, Hanskampring 15-17, D-22885 Barsbüttel, Telefon (040) 67 08 54-0, Fax (040) 67 08 54-42, Email sales@gunt.de, Web www.gunt.de We reserve the right to modify our products without any notifications. Page 2/2 - 05.2022